

SV Transformed cells for deter.

m RNA annealing & pagments

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| | 1. | SV | 1-B | 37 | 3 | Ce | 6 A | | | | | |
| | 7 | 50 | 1 2 | 227 | - 3 | PN | -1 | | | | 4 | |
| | α , | 26 | / - / | >>/ | 5 | ce | 3/1 | | | | | |
| | 3, | UV | 1-/3 | 5- C | 05 | | | | | | | |
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| | 4. | 7 | -2 | | | | | | | | | |
| | - | | 1/ - | 72 | 0 | 100 | (A) (B) | | | | | |
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2) SV-B-3+3) Expected BSC-1 Adea: To identify 9/40 proteins in productively infected of transformed cells in the 35 falieled proteins in their cells = antisered made ag my BSE-1 flacky & ara C + late of + 15V- Roll 378. untr, cell extract. from Precipitate is wasked & taken up & SDS - ME-EDTA + electropherand. Control = uninf or untr. all gets. ysted & same antiserum. Cell estracts for immunication: 1. Normal BSC-1 2. Anf. BSC-1 - ana C = early pr.
3. Alf. BSC-1 - 48 Ars = larly flate
4. Thormal Ball/373
5. SV transformed Ball/373-72 note: If all genes are expressed in # 3
this serious may be okay for testing

Twee RNA polymerane SHEET NO. SUBJECT. 1gm 30 g. of lever from

wasked + muneed in sol in A at 0.

+ 60 ml sol in A - homo censed in P- E & Teflor yestle.

10-15 etropes at ~ 2000 see /mi. 3 ml 9ml 12 ml Filtered through cheesecloth Volume made to 150 ml & solm A + onto solin B - 25 ml onto 5 ml B in SW 25 roto Cent at 22,000 you for I do x 4. Pour off Aussend sellets in total of 10 ml of E + sometite
6 - 15 see periods. Cent at 80,000 for 45.

C-190 9/16/69 Cellulose phosphate SHEET NO. DATE

Twier RNA polymerase 9/15/69 SHEET NO. DATE 0.25 M sucrose, 0.05 M Trusce 7.5, 0.025 M KCe 0.005 M My Cl2 (0.0015 M Call B. 0.32 M sucrose 0.001 M MgCls, 0.02M Tus7.5 0.05 M Trisca 78, 30% glycers 0.005MME ris 7.5 - 500 ml 7.8 - 500 ml 15 Cly - 100 ml - poo me

BBL. Cat. #40602, Anti-Rabbit Globulin. Fluorescein labeled. Lot #9061907, has been tested in an indirect staining system employing Salmonella "O" Group D antiserum prepared in rabbits and a Salmonella typhi antigen. Satisfactory results were demonstrated at a conjugate dilution of 1:40.

These results were obtained employing a Zeiss Standard RA binocular Fluorescent Microscope, equipped with a EG-12 exciter filter and a Zeiss 50 eyepiece barrier filter. An HBO-200 mercury burner in a Zeiss housing served as the light source.

It is suggested that each laboratory determine the optimal staining titer under its own standard operating procedures.

BBL, Division of BioQuest Cockeysville, Maryland c-190 12/11/69 SV40 DNA f. SUmif CV1 SHEET NO. 9-100mm disks f. Wee - confluent CVI Trypping of suspend cent cells in 200 ml MENZ 1000 FBS (Cell count : 64 per 8 small square = 80/cumm or 1.6x10 total or Mespense 10 ml into dishes (Oug pl: had 1.6x10 = ~ 2x10 6/ylate) 12/12 Cells nearly confluent 13 hash cells once = PBS - Infect & SUYO 0.15 ml of - add 0 Un - add 0. 15 ml medium afterta his at 37° add 10 ml regider MEME 1016 FBS to group I-A - 10 places To I-B+C add MEM & 10% dial. FBS - 10 plates to Un add 10 ml " 2/14 Change all media except I-A O-thymotine to I-B + Un-B lars 10gue/sul 50fill. 205 mg 1 - thepredence to I - C & Eln - C - . 05/ml 5mc/.0675mg NETOZXX CH3 lab

my - no audwacturity I-A ing + C-TAR

ing + 3H-TAR I-B I-C uning +"c-TdR
uning + 3H -TdR Un-B Un - C Remove med. + wash cells x 2 = 5 ml Tris - saline (per L 0.1 g Mgllz: 6Ho, 0.1 g Callz; 89 Nace, 0.389 KCe; 5.19 Naz HP24; 3 g Tris - adj to pH 7.4) To each dish add Iml 0.6% SDS -0.001 M EDTA pH 7.5. after 10-20 at m lang scrape lysate & rubber policeman + pour into plaste cent. tube - 8 mm dian. add 5 M Nace to -> 1 M & slawly invert 10 x. Store at 4° for 28 hrs. Cent. at 12500 rand ~17,000g) x30 in cold. Super removed & jastem jip to glass tuties. Keep tellets in repig.

Count 501 of each super except A - filter pager & Cold thymidine & Y. RNA carrier. Cold TCA wash. Hore super in refrig overnight.

SUBJECT

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SHEET NO.

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Cleavage of SV40 DNA by cell estracts No.
Prep. of extracts (Sambrook + Shathin) Jura PATE 1969) C-190 12/20 Cells: 1. CV-1 MEM 10% FBS to confluence

Fed 24 hrs à washing + freezing

V 2. SV 3 T3 as above confl. 15/10 5. Leels - Human skin to f. W. Carter - ~ 2/3 confluent Extract wash cells on disk & rice cold PBS XZ then TED (TOZM Trisce H 8, 0.00) EDTA, O. SMMDTA XI. Collect & rubber roliceman + stone at - 70° in Jo 10' at 0? The super than I cent at Those Ligase assay conditions: 0.1M KCC, 0.04M Tris 7.7, 0.01 M 14CC 0,01 M ME 10-4M ATP VOR =0.12 mg 5 g.2 (n 10 t pot.) Stopped by addin EDTA

Hemophelus Reng. on SV40 C-DNA For electrophoresis SHEET NO Buffer mix 10X 150 10ml Tris HER 7.4 0.10 M Trul IM Mg Cla 0.09 M 9 ml /M 10550= ME 0.07M .0015 . 05 me 14 M Nace 0.4 M .8 ml 5 M 7.25 water 2 1 Buffer mix 1005 .005 Water >.05 .003 .005 (N 8/00 gm) DNAI E .04 prep B 12/69 Engene 0 .002 7. AS 9/12/69 10+12 Then add 201 0.24 EDTA pH 74 x.010 losues Electrophorese entire ant. padd'n 5/2,5M puch = BPB (Note: BPB blue in take) yellow in take 2/) Buffer Tris-NaAc-EDTA pH 7.8 = 0.2/ SDS Tribe 2 - gel 5 4 m amp tule 6 pm to 745 on 500 gels - 10 cm le To gels poron at - 10° + sliced in 3 degreen To a 4 an egy lice (> 32 slices) Degrin 0.20 the Hear at 70° overnight t usual Triton-Results over Sand le add 3 segments

Results 320gm #5-1 184 cpm are only its at origin in each case